



# **Section B:1**

## ***Waste Management***

### **PROJECT MANAGERS**

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## SUMMARY

Waste Management consists of the Solid Waste Storage and Disposal, Project Baseline Summary (PBS) WM03, Work Breakdown Structure (WBS) 1.2.1; Solid Waste Treatment, PBS WM04, WBS 1.2.2; Liquid Effluents - 200 Area, PBS WM05, WBS 1.2.3.1; and the Waste Encapsulation and Storage Facility, PBS TP02, WBS 1.4.2.

PBS WM05 is divided between WBS 1.2.3.1, Liquid Effluents (200 LEF) and WBS 1.2.3.2, 310 TEDF/340 Facility (300 LEF). The 310 TEDF/340 Facility work scope is included in the River Corridor Project, whereas the Liquid Effluents (200 LEF) work scope remains in Waste Management. For the purpose of performance analysis, PBS WM05 is reported in its entirety in the Waste Management Project (WMP), which has the majority of the work scope and funding.

NOTE: Unless otherwise noted, the Safety, Conduct of Operations, Milestone Achievement, and Cost/Schedule data contained herein is as of December 31, 2000. Other data is updated as noted.

## NOTABLE ACCOMPLISHMENTS

ATG, Inc. (ATG) initiated thermal treatment ("shake-down testing") of Mixed Low Level Waste (MLLW) on December 31, 2000. ATG is continuing to experience technical difficulties that will delay the initiation of production thermal treatment until March 2001. A total of 33 hedgehog packages of waste were shipped to ATG for thermal treatment through January 23, 2001 (18 cubic meters [m<sup>3</sup>] Fiscal Year To Date [FYTD]). A total of 133 m<sup>3</sup> of waste for non-thermal treatment (debris) was shipped to ATG. Through January 23, 2001, for the current report period, 250 m<sup>3</sup> FYTD have been shipped. ATG has treated approximately 80 percent of the debris waste, but has been delayed in preparing waste profiles for return to the site for disposal due to resource limitations. Initial returns are expected in February 2001.

Processing at the Waste Receiving and Packaging Plant (WRAP) – All data is FYTD:

	12/29/00	1/16/01
Nondestructive Examination (NDE) on Drums	367	449
NDE on Boxes	2	2
Nondestructive Analysis (NDA) on Drums	265	323
TRU Glovebox Visual Exam - Drums	2	2
TRU Glovebox Repackaged Drums	14	22
Low Level Waste Glovebox Drums	0	0

Through December 31, 2000, 9.4 million gallons of wastewater were processed through the Effluent Treatment Facility (ETF) FYTD. Through January 16, 2001 an additional 1.6 million gallons of wastewater were processed.

On January 12, 2001, Waste Encapsulation Storage Facility (WESF) successfully completed the transfer of 3000 gallons of Low Level Liquid Waste from TK 100 by tanker to the ETF. This was the first transfer from WESF in 2½ years.

A "crosswalk" has been drafted showing how the Strategic Plan text and master schedules can be modified to meet the Tri-Party Agreement requirements for the M-91 Project Management Plan (PMP). Initial review feedback from the Washington State Department of Ecology (Ecology) was positive. Discussions with Ecology relative to the schedule for modifying the Strategic Plan will follow.

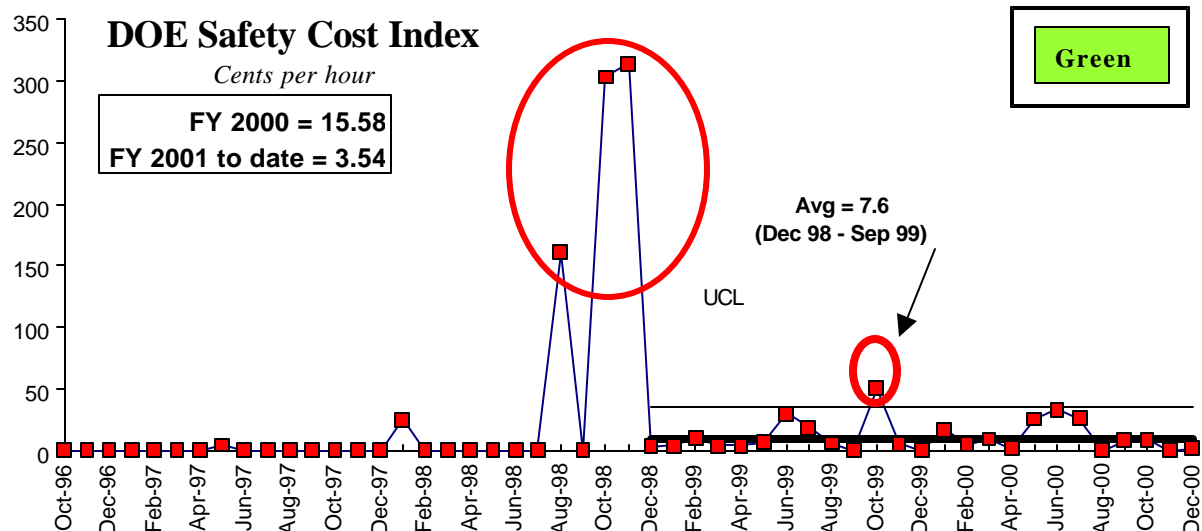
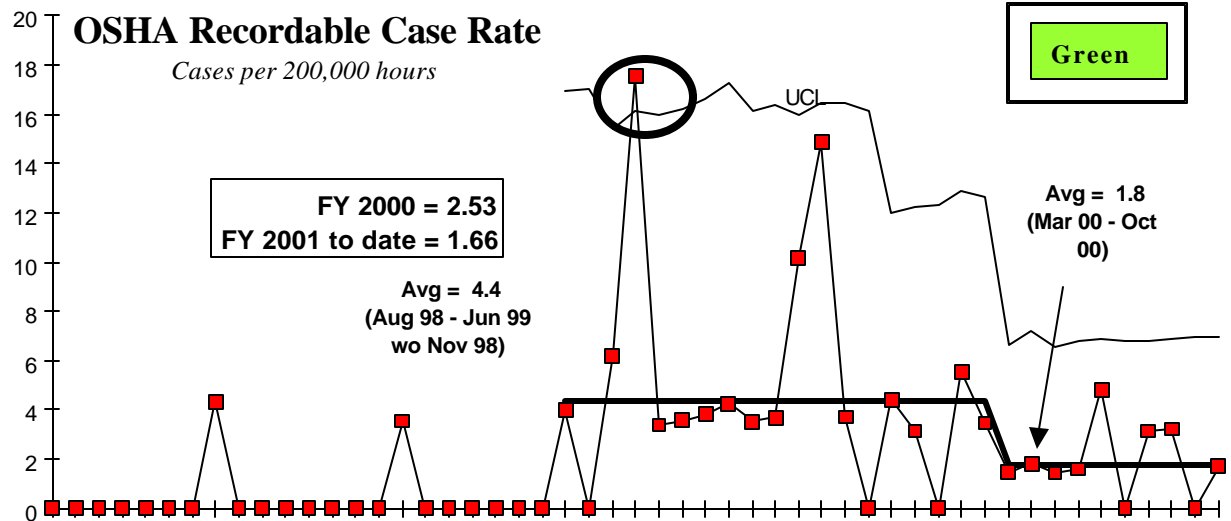
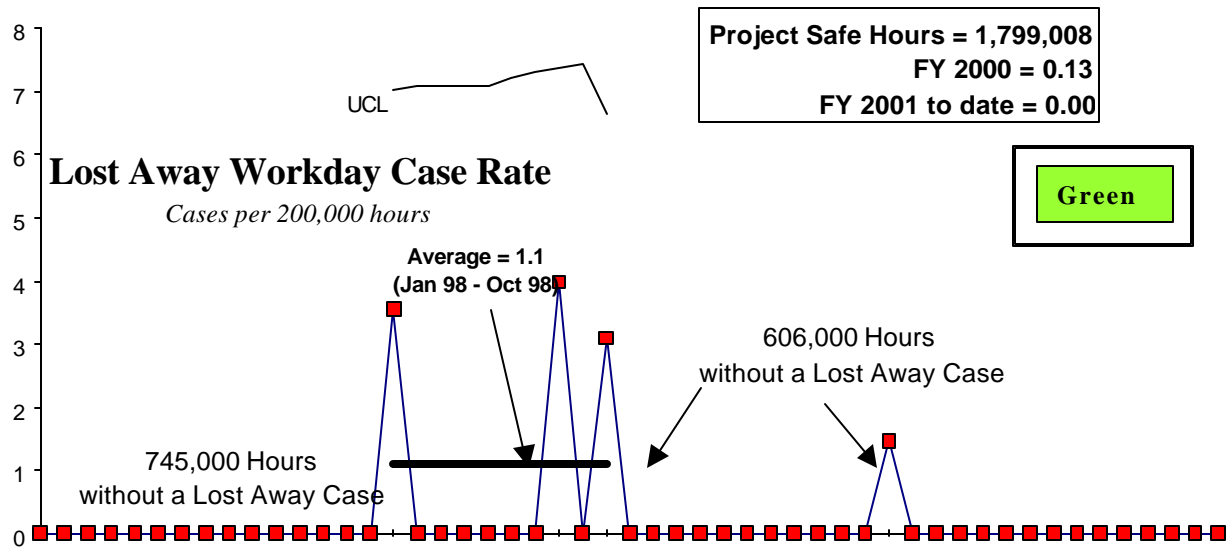
Waste analysis and processing issues on the Plutonium Finishing Plant (PFP) Residue Stabilization Project were resolved in December. Closure of these issues allowed the Waste Management Project (WMP) to receive 62 pipe overpack drums containing Rocky Flats ash during January 2001 from PFP.

On January 2, 2001, a Nuclear Chemical Operator (NCO) performed the Heimlich maneuver on an employee who had food lodged in the windpipe. It took approximately two minutes to dislodge the food. FH is pursuing a Life Saving Award for the NCO for his life-saving effort.

## **SAFETY**

WMP is well on its way to 2 million safe hours. In December, there was one OSHA recordable case, no Restricted Workday Cases, two First Aid Cases and one report only (no symptoms) case. There have been recent significant reductions in the OSHA recordable case rate, and the Lost/Restricted Workday Case Rate. A new baseline has been established for the OSHA recordable graph at 1.8 cases per 200,000 hours.

Lost Away Workday Case Rate, OSHA Recordable Case Rate and DOE Safety Cost Index charts on the following page graphically illustrate the above comments.



## ISMS STATUS

Green

### Completed Activities:

The ISMS portion of the FEB in-brief was presented the first week in January. The FEB briefing included topical information relating to the National ISM Conference held in early December in the Tri-Cities (WA). Currently, the FEB assessment is in process.

The configuration control procedure (WMP 200, Section 1.19) was updated with the project's ISMS System Description.

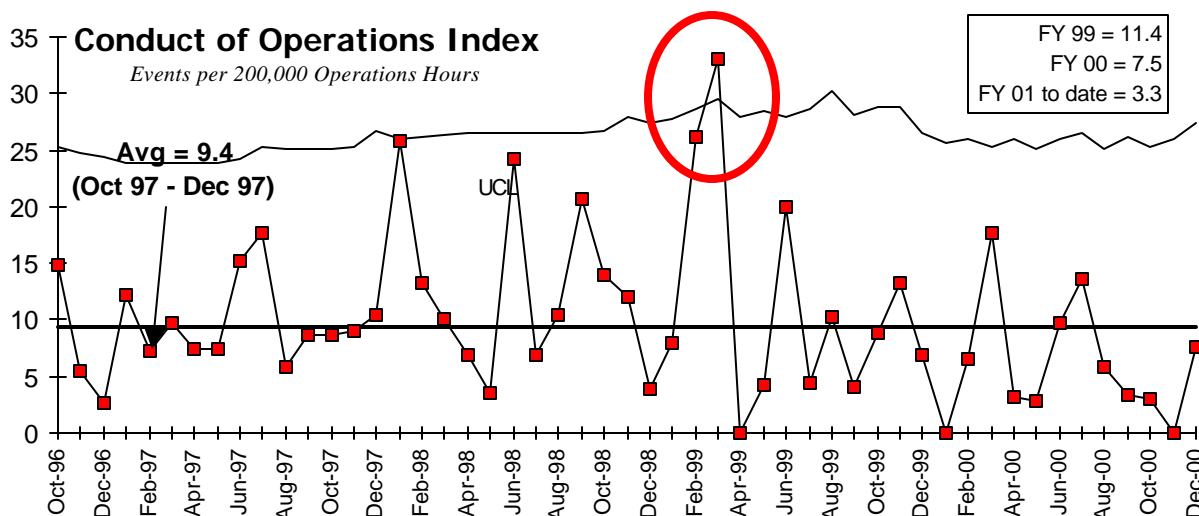
### Planned Actions:

Continue to support the ISMS Center of Excellence (COE) with discussions on the methodology of reducing the number of redundant and outdated procedures. The COE has also been asked to provide recommendations on Performance Indicators for the Environment, Safety and Health (ES&H) group.

Begin the development of briefings for Technical Authorities/Technical Owners on their responsibilities under the new 1.19 procedure that provides their roles and responsibilities to the WMP System Description.

## CONDUCT OF OPERATIONS

Green



## BREAKTHROUGHS / OPPORTUNITIES FOR IMPROVEMENT

### Breakthroughs

Nothing to report at this time.

## Opportunities for Improvement

Green

**Mixed Waste Focus Area** — Waste Management continues to work with the Mixed Waste Focus Area (Robotics Product Line) on a technology development/demonstration activity at Hanford. The details of a demonstration/deployment of size-reduction technologies are being worked out.

**WESF Basis for Interim Operations (BIO)** — The Waste Encapsulation and Storage Facility (WESF) rapid loss of pool cell water accident and associated controls are being evaluated in depth, and will be documented in a revision to the WESF BIO. A reduction in the minimum staffing requirement is expected from this analysis and BIO revision.

## UPCOMING ACTIVITIES

**Accelerate Readiness to Receive Spent Nuclear Fuel K Basin Sludge** — By September 30, 2001, complete 1) entire T Plant deck clearing, 2) complete safety basis documentation and long-lead procurements, 3) install handling, drying and loading equipment, and 4) initiate contractor readiness activities.

**Transuranic (TRU) Waste Shipment:** The next shipment is currently scheduled for March 29, 2001. The TRUPACT-II trainer unit is scheduled to be delivered to Hanford on February 5, 2001, to allow training of the Waste Receiving and Packaging (WRAP) millwrights for TRUPACT-II loading operations.

**TRU Waste Retrieval:** Place the subcontract by January 31, 2001, for technical support of the LLBG Authorization Basis (AB) revision for the retrieval of exposed TRU waste containers. Pursue additional funding to initiate retrieval of the remaining 600 exposed drums.

**TRU Recertification Audit:** The Hanford recertification audit has been scheduled for the week of June 11, 2001. Based on the schedule for completion of PFP actions necessary for the audit, the PFP activities are planned to be combined with the Hanford recertification audit.

**Liquid Waste Processing:** Pending favorable resolution of the Toxic Substance Control Act/Polychlorinated Biphenyls (PCBs) issue associated with double-shell tank waste and the operation of the 242-A Evaporator/Liquid Effluent Facilities, Evaporator Campaign 01-01 will be conducted in March. Plans are to shut down the 200 Area ETF in mid-February, with a restart groundwater processing in early April following the Evaporator Campaign.

**Land Disposal Restriction (LDR) Report:** The LDR report will be prepared and issued by April 30, 2001, to meet Tri-Party Agreement milestone M-26-01, "Annual Hanford Land Disposal Restrictions Report." Given the length of time that was required to close the dispute and agree upon the scope of this year's Report, completion of the document by the milestone date will be difficult. Negotiations are underway which may result in a change request to slip the milestone due date to June 30, 2001. [See also *Regulatory Issues*]

**Nuclear Material Stabilization Support:** Routine shipments have been scheduled for the transfer of approximately 26 residues drums per week to the Central Waste Complex (CWC).

## MILESTONE ACHIEVEMENT

Green

MILESTONE TYPE	FISCAL YEAR-TO-DATE				REMAINING SCHEDULED			TOTAL FY 2001
	Completed Early	Completed On Schedule	Completed Late	Overdue	Forecast Early	Forecast On Schedule	Forecast Late	
Enforceable Agreement	0	0	0	0	0	2	0	2
DOE-HQ	0	0	0	0	0	0	0	0
RL	0	0	0	0	0	0	0	0
<b>Total Project</b>	0	0	0	0	0	2	0	2

M-91-12 is in dispute between DOE-RL and Ecology and has been temporarily removed from the milestone reporting baseline numbers.

Only TPA/EA milestones and all FY2001 overdue and forecast late milestones are addressed in this report. Milestones overdue are deleted from the Milestone Exception Report once they are completed. The following chart summarizes the FY2001 TPA/EA milestone achievement and a Milestone Exception Report follows. The last milestone table summarizes the first six months of FY 2002 TPA/EA milestones.

### FY 2001 Tri-Party Agreement / EA Milestones as of January 26, 2001

Number	Milestone Title	Status
<b>M-91-11-T01 (A2G-01-103)</b>	<b>Submit Low Level Mixed Waste (LLWM) Facility ES/FDC to Ecology</b>	<b>Due 12/31/00</b> – Change request Approved to delete this milestone. The milestone will be removed next report. <span>Green</span>
<b>M-91-12 (A2G-01-104)</b>	<b>Initiate Thermal Treatment of CH-LLMW</b>	<b>Due 12/31/00</b> – Ecology has been notified that DOE-RL has invoked the Dispute Provision of the Tri-Party Agreement relative to completion of this milestone. WMP is supporting RL preparation of the dispute response. <span>Yellow</span>
<b>M-91-13 (A1C-01-001)</b>	<b>Initiate Disposal of CH-LLWM</b>	<b>Due 06/30/01</b> – Completed 9/15/1999 <span>Green</span>
<b>M-91-18 (WMP-01-001)</b>	<b>Transmit T-Plant Sludge Storage Conceptual Design to Ecology</b>	<b>Due 06/29/01</b> – On Schedule <span>Green</span>
<b>M-26-05H (WMH-00-006)</b>	<b>Prep Biennial Tritium Treatment Technology Evaluation report</b>	<b>Due 08/31/01</b> – On Schedule <span>Green</span>

### DNFSB Commitments

	Nothing to report at this time.	
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## MILESTONE EXCEPTION REPORT

<u>Number/WBS</u>	<u>Level</u>	<u>Milestone Title</u>	<u>Baseline Date</u>	<u>Forecast Date</u>
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**Overdue – 0**

**Forecast Late – 0**

**FY 2000 Overdue – 0**

<b>TPA-M-91-03</b>	<b>RL</b>	Submit Hanford Site TRU/TRUM PMP	06/30/00	06/30/00
<b>1.4.2</b>		Waste Management Project		

**Cause:** This milestone was completed with the submittal of the M-91-03 "Project Management Plan for Transuranic and Transuranic Mixed Waste PMP". Although the milestone is statused as complete, Ecology has since disapproved the document.

**Impact:** No overall impact is expected once agreement is reached on M-91-03 completion.

**Corrective Action:** The dispute over the adequacy of the PMP continues. Discussions with Ecology on a proposed path-forward for resolution of the dispute, via modifications to the Waste Management Strategic Plan, have been successful. Agreement on the scope of the required modifications has been reached, and a draft modification is being prepared. Ecology has agreed to an extension to April 23, 2001, for continuation of dispute, to allow sufficient time for preparation and approval of the Strategic Plan modification.

**FY 1999 Overdue – 1**

<b>TRP-98-709</b>	<b>RL</b>	Complete Hot Cell Deactivation	03/31/99	03/30/01
<b>1.4.2</b>		WESF Facility (A-E)		

**Cause:** This milestone is not complete due to not being supported at the current funding level.

**Impact:** No overall impact is expected.

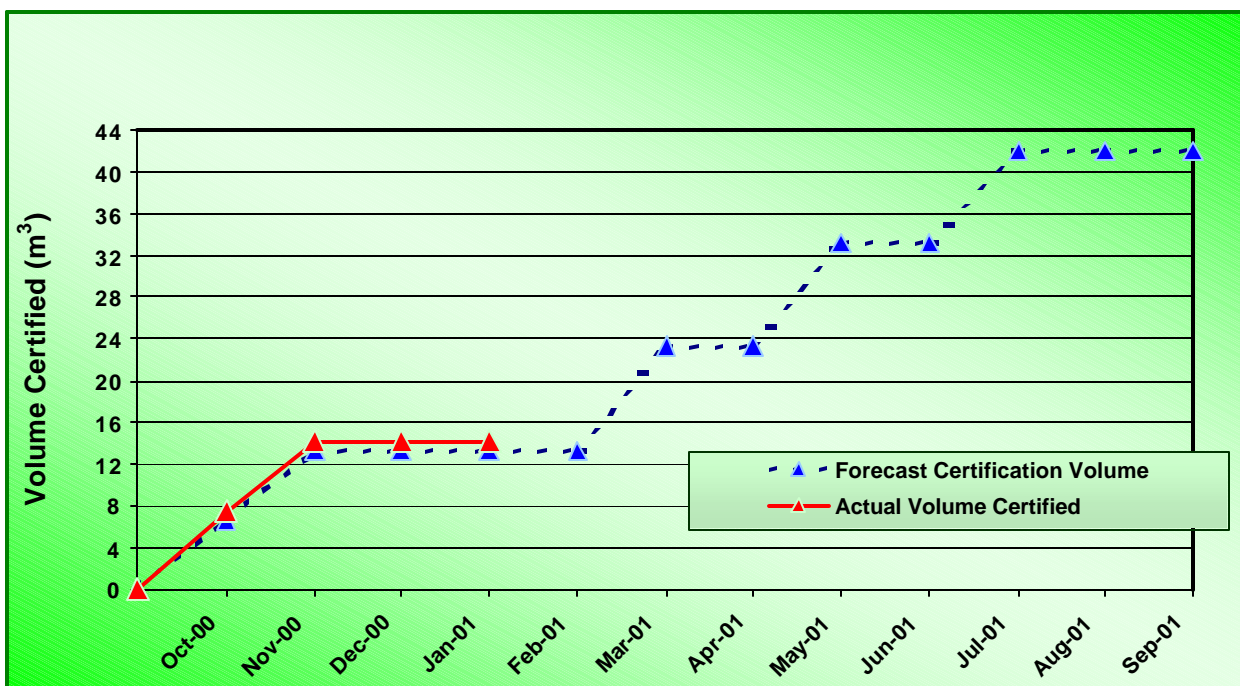
**Corrective Action:** Funding for this work scope [Return-on-Investment (ROI)] has been identified and a new forecasted completion date of March 30, 2001 established.

FY 2002 Tri-Party Agreement / EA Milestones		
Number	Milestone Title	Status
	Nothing to report at this time.	
DNFSB Commitments		
	Nothing to report at this time.	

## PERFORMANCE OBJECTIVES

### TRU Waste Certified

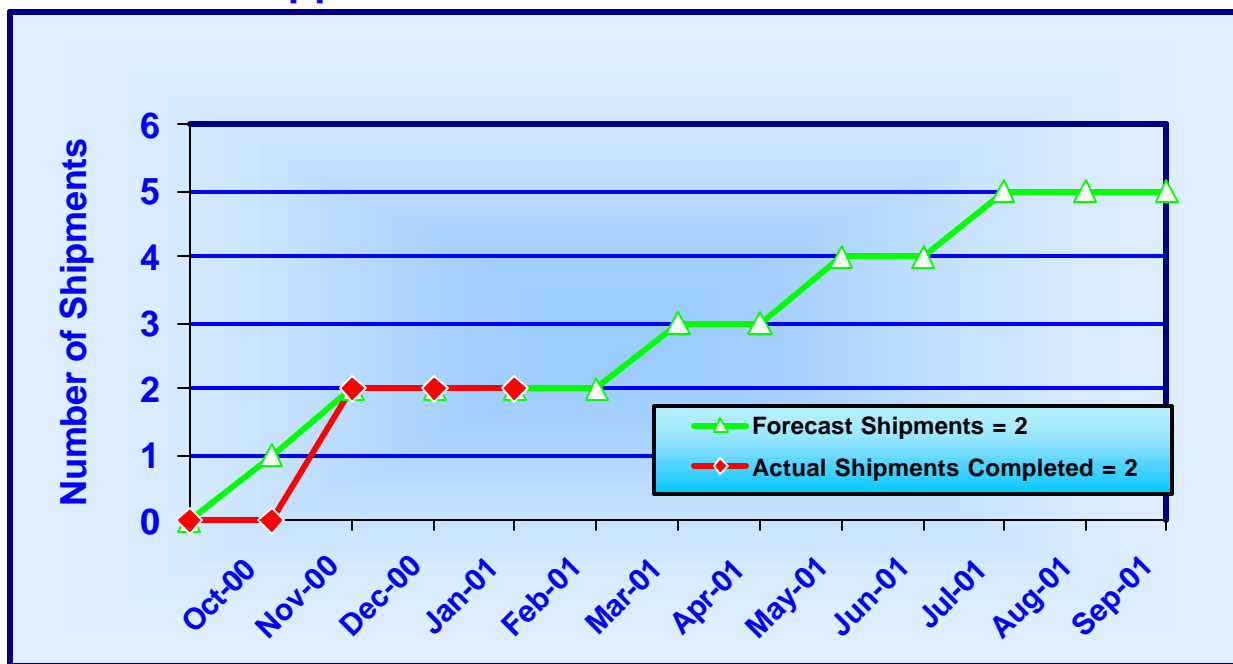
Green



Ahead of schedule. Through January 2001, 14.2 m<sup>3</sup> TRU waste certified.

Green

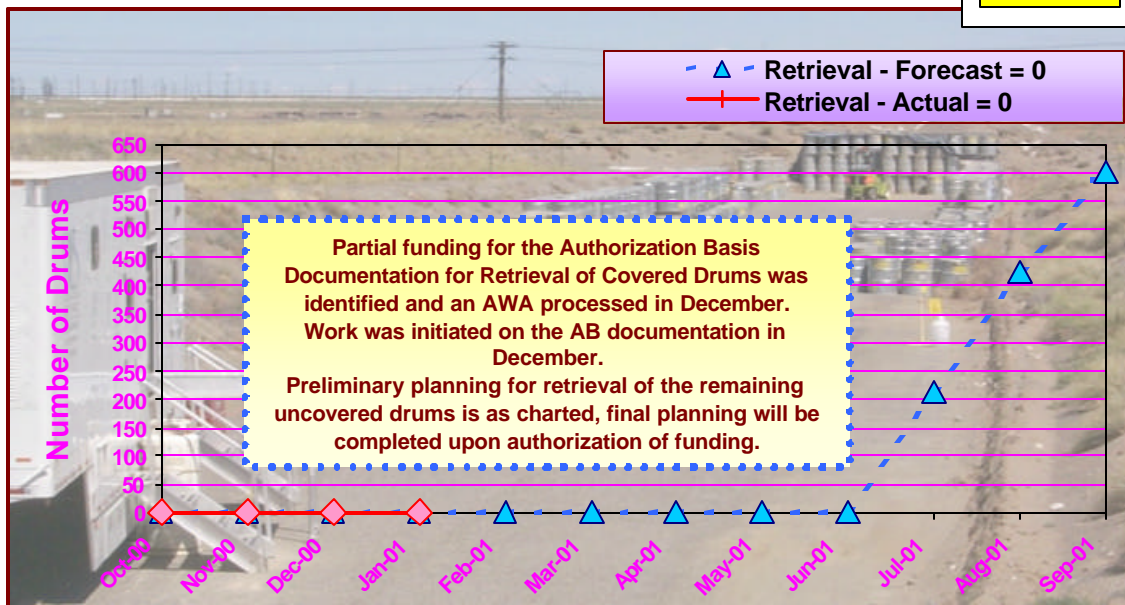
### TRU Waste Shipped



On Schedule.

## Retrieve TRU Waste

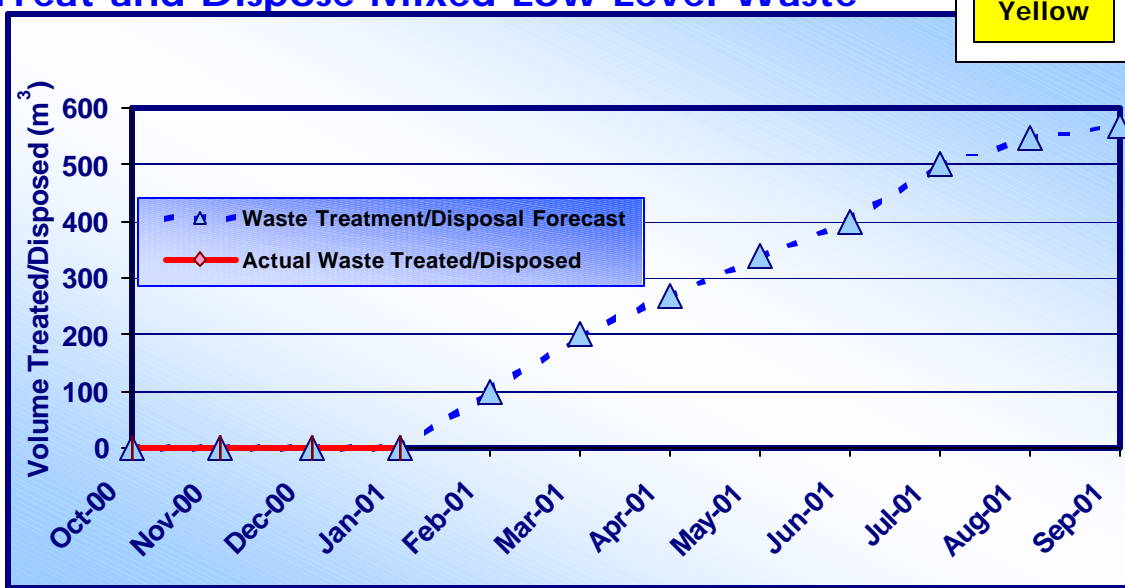
Yellow



Partial funding has been identified, allowing the initiation of safety basis modifications to accomplish retrieval of buried drums. Additional funding (\$100K) is required by March 1, 2001, to avoid day-for-day delays in this critical activity. Funding (\$800K) is also required immediately to initiate retrieval of the remaining 600 (approximate) exposed drums by September 30, 2001. Limited availability of WMP staff (NCO's, RCT's, Waste Acceptance, and technical support) is also adversely impacting preparatory activities to this year's drum retrieval campaign.

## Treat and Dispose Mixed Low Level Waste

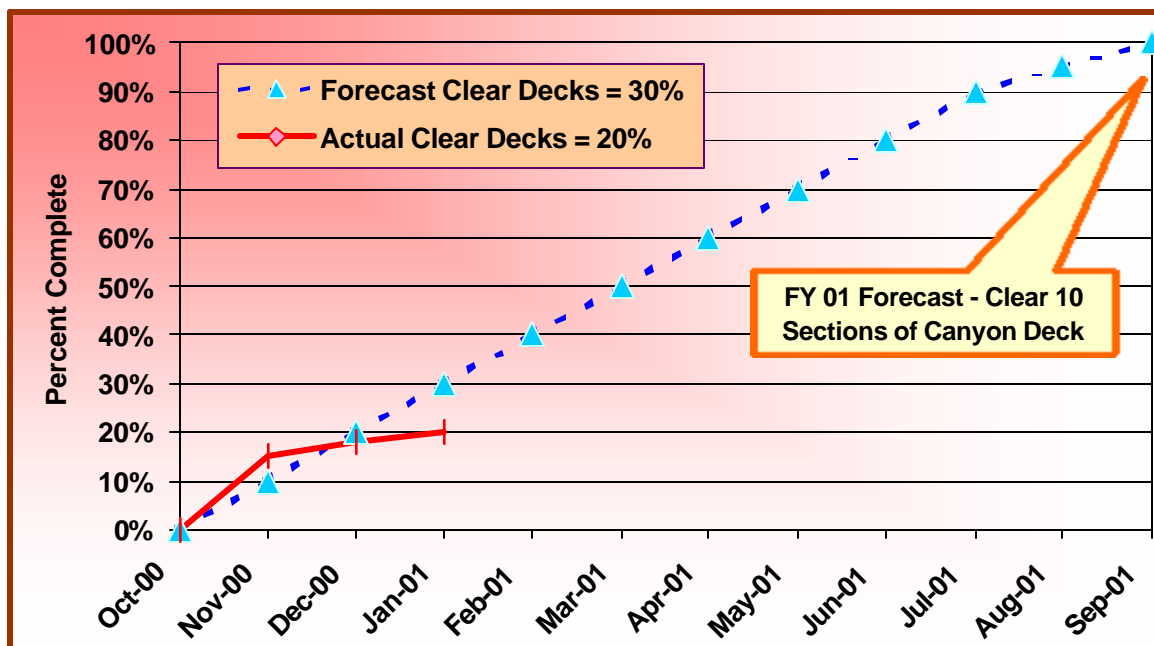
Yellow



ATG initiated thermal treatment ("shake-down testing") of MLLW on December 31, 2000. ATG is continuing to experience technical difficulties that will delay the initiation of production thermal treatment until March 2001. FH has shipped 250 m³ of MLLW to ATG for non-thermal treatment; ATG has treated approximately 80 percent of the waste, but has been delayed in preparing waste profiles for waste return to the site for disposal due to resource limitations. Initial returns are expected in February 2001.

## T Plant Deck Clearing

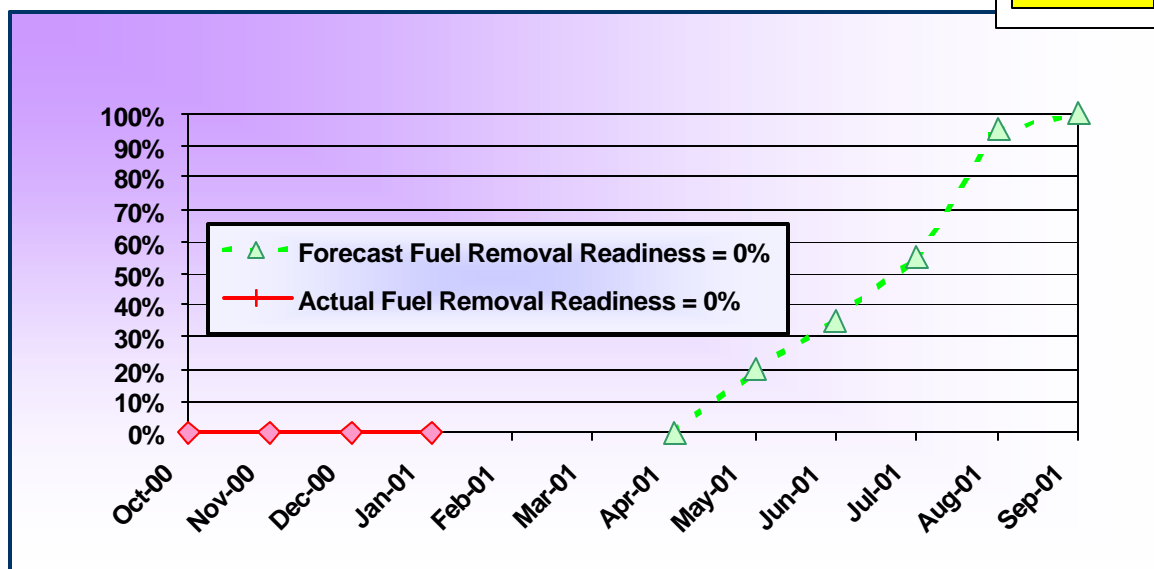
Yellow



Behind schedule due to lack of RCT's, startup problems with plasma arc size reduction process, and additional crane maintenance required as a result of last year's inspection. RCTs on board as of January 25, 2001, but 60-days additional training required to establish full proficiency. Recovery expected by mid-April.

## Fuel Removal Readiness

Yellow



Two weeks behind May 7, 2001 schedule for management self-assessment (preparatory to Contractor Readiness Assessment) due to lack of RCT's and additional crane maintenance required as a result of last year's inspection. Moving to strengthen Readiness approval with recent lessons learned from PFP and SNF.

## FY 2001 SCHEDULE / COST PERFORMANCE – ALL FUND TYPES CUMULATIVE TO DATE STATUS – (\$000)

Green

		FYTD									
	By PBS	BCWS	BCWP	ACWP	SV	%	CV	%	PEM	EAC	
PBS WM03 WBS 1.2.1	Solid Waste Storage & Disposal	\$ 5,843	\$ 5,641	\$ 5,287	\$ (202)	-3%	\$ 354	6%	\$ 25,439	\$ 25,439	
PBS WM04 WBS 1.2.2	Solid Waste Treatment	\$ 7,468	\$ 7,718	\$ 7,545	\$ 249	3%	\$ 173	2%	\$ 36,168	\$ 36,168	
PBS WM05* WBS 1.2.3	Liquid Effluents - 200/300 Area	\$ 6,228	\$ 6,201	\$ 5,374	\$ (27)	0%	\$ 826	13%	\$ 27,231	\$ 27,231	
PBS TP02 WBS 1.4.2	WESF	\$ 2,514	\$ 2,488	\$ 2,449	\$ (26)	-1%	\$ 39	2%	\$ 10,728	\$ 10,728	
Total		\$ 22,053	\$ 22,047	\$ 20,655	\$ (6)	0%	\$ 1,392	6%	\$ 99,566	\$ 99,566	

Authorized baseline as per the Integrated Planning Accountability, and Budget System (IPABS) – Project Execution Module (PEM).

## FY TO DATE SCHEDULE / COST PERFORMANCE

Cost and schedule variances for the Waste Management Project are within established thresholds.

For all active sub-PBSs and TTPs associated with the Operations/Field Office, Fiscal Year to Date (FYTD) Cost and Schedule variances exceeding + / - 10 percent or one million dollars require submission of narratives to explain the variance.

### Schedule Variance Analysis: (-\$0.0M)

#### Solid Waste Storage & Disposal — 1.2.1/ WM03

**Description /Cause:** The unfavorable schedule variance of \$0.2M (4 percent) was within the established threshold.

**Impact:** No Impact.

**Corrective Action:** No corrective action required.

#### Solid Waste Treatment — 1.2.2/ WM04

**Description /Cause:** The favorable schedule variance of \$0.2M (2 percent) was within the established threshold.

**Impact:** No Impact.

**Corrective Action:** No corrective action required.

#### Liquid Effluents — 1.2.3.1/ WM05

**Description /Cause:** The unfavorable schedule variance of \$0.03M (0.4 percent) was within the established threshold.

**Impact:** No Impact.

**Corrective Action:** No corrective action required.

#### WESF — 1.4.2/ TP02

**Description /Cause:** The unfavorable schedule variance of \$0.03M (1 percent) was within the established threshold.

**Impact:** No Impact.

**Corrective Action:** No corrective action required.

## Cost Variance Analysis: (+\$1.4M)

### Solid Waste Storage & Disposal — 1.2.1/WM03

**Description/Cause:** The favorable cost variance of \$0.4M (6 percent) was within the established threshold.

**Impact:** No impact.

**Corrective Action:** No corrective action required.

### Solid Waste Treatment — 1.2.2/WM04

**Description/Cause:** The favorable cost variance of \$0.2M (2 percent) was within the established threshold.

**Impact:** No impact.

**Corrective Action:** No corrective action required.

### Liquid Effluents — 1.2.3.1/WM05

**Description/Cause:** The favorable cost variance of \$0.8M (13 percent) was primarily due to staff vacancies, staff on leave and delays in issuing contracts.

**Impact:** No impact.

**Corrective Action:** The labor underruns will be used for the RIIT Team reductions. Contract costs will start coming in January.

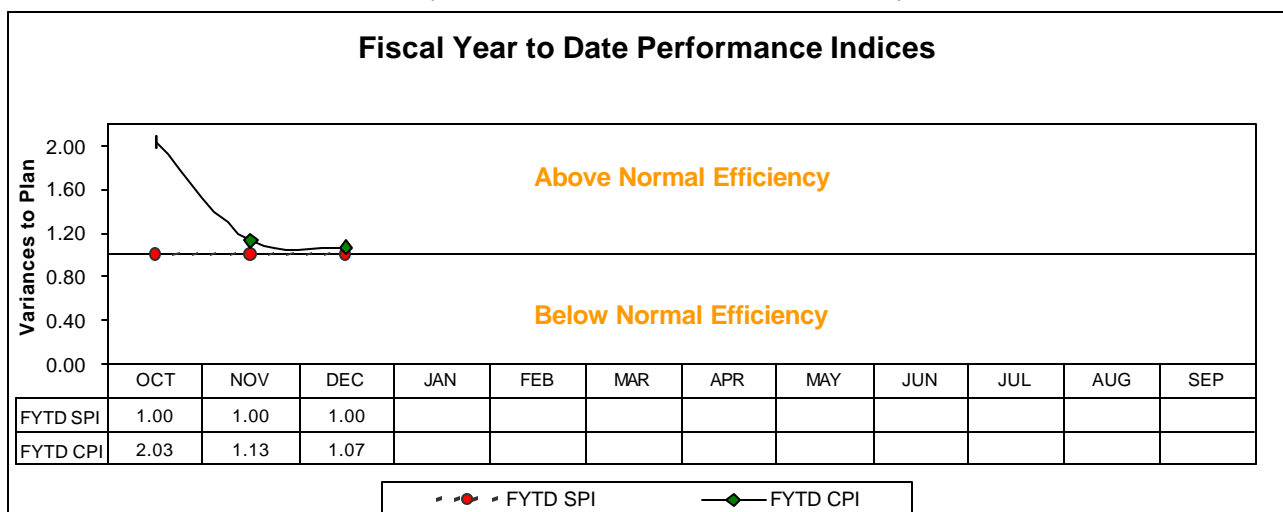
### WESF — 1.4.2/TP02

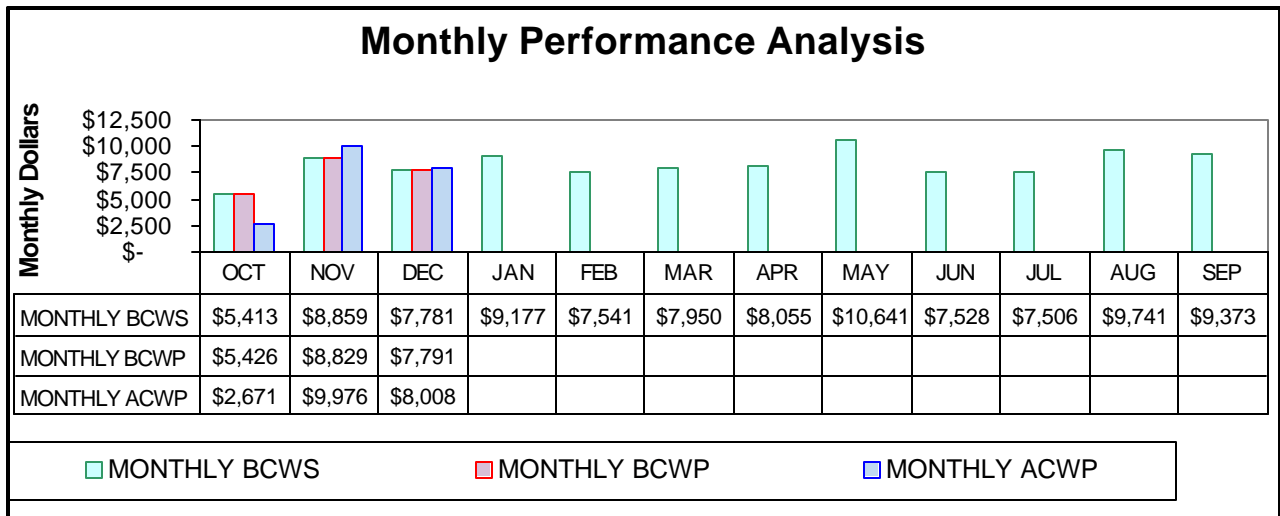
**Description/Cause:** The favorable cost variance of \$0.04M (2 percent) was within the established threshold.

**Impact:** No impact.

**Corrective Action:** No corrective action required.

## COST/SCHEDULE PERFORMANCE (MONTHLY AND FYTD)





## FUNDS MANAGEMENT — FY 2001 TO DATE

### FUNDS VS SPENDING FORECAST (\$000)

Green

	Project Completion *			Post 2006 *			Line Items *		
	Funds	Actual Cost	Variance	Funds	Actual Cost	Variance	Funds	Actual Cost	Variance
<b>The Plateau</b>									
1.2 Waste Management									
TP02, WM03-05				\$ 97,294	\$ 96,939	\$ 355			
<b>Line Item</b>									
<b>Total Waste Mgt. Operating</b>				\$ 97,294	\$ 96,939	\$ 355			
<b>Total Waste Mgt. Line Item</b>									

\* Control Point

Above chart reflects FH Project structure which divides certain PBS's between projects (e.g., WM05 – Waste Management and the River Corridor project). Consequently, these figures will differ from those shown elsewhere in this report (as generated in the PEM system).

## ISSUES

### Technical Issues

**Issue:** Nothing to report at this time.

**Impacts:** None.

**Corrective Action:** None at this time.

## Regulatory Issues

**Issue: Report for Hanford Land Disposal Restrictions (LDR) for Mixed Wastes —** *[Background: Mediation efforts on LDR issues have ended with resolution of all issues imminent. The parties are negotiating a final agreement that will settle the dispute. The court case was therefore canceled. Preparation of the 2001 LDR report, in accordance with the proposed settlement, is currently underway.]* The 2001 LDR report is due to the regulators by April 30, 2001, in accordance with Tri-Party Agreement milestone M-26-01, "Annual Hanford Land Disposal Restrictions Report."

**Impacts:** The mediation/negotiation process caused a late start on preparing the LDR, and Report content is still being defined. It may not be possible to meet the due date while including all required report content.

**Corrective Action:** A change request to delay the April milestone date by 60 days has been verbally approved at the Ecology working level, but RL has not yet submitted the formal request.

**Issue: Tri-Party Agreement Milestone M-91-12 Dispute** - Ecology has been notified that RL has invoked the Dispute Provision of the Tri-Party Agreement relative to completion of this milestone.

**Impacts:** This delays when this milestone will be determined to be complete.

**Corrective Actions:** WMP is supporting DOE-RL preparation of the dispute response.

**Issue: TPA Milestone M-91-03 "Submit Hanford Site TRU/TRUM Waste Project Management Plan (PMP) to Ecology"** - The dispute over the adequacy of the M-91-03 "Project Management Plan for Transuranic and Transuranic Mixed Waste" continues.

**Impacts:** Ecology has not approved completion of M-91-03.

**Corrective Actions:** Discussions with Ecology on a proposed path forward for resolution of the dispute, via modifications to the Waste Management Strategic Plan, has been successful. Agreement on the scope of the required modifications has been reached, and a draft modification is being prepared. Ecology has agreed to an extension to April 23, 2001 for continuation of dispute, to allow sufficient time for preparation and approval of the Strategic Plan modification.

**Issue: Burial Ground Draft Part A** - Cases of improper disposal of mixed waste in the LLBG have occurred after the effective date of RCRA on the Hanford Site (August 19, 1987). Ecology believes other cases of improper disposal of mixed waste have also occurred.

**Impacts:** Negotiations have been ongoing with Ecology on the approach for dealing with these issues.

**Corrective Actions:** Notice of Deficiency (NOD) responses are currently being prepared.

**Issue: 242A Evaporator Campaign** - Issues with PCBs may impact the current plans to initiate the FY 2001 campaign in March 2001.

**Impacts:** A potential to delay the planned evaporator campaign will change current baseline operations plans at the 200 Area Liquid Effluent Facility. There may be additional impacts in the River Protection Project.

**Corrective Actions:** Negotiations with the Environmental Protection Agency are continuing.

## External / DOE Issues and DOE Requests

**Issue:** Nothing to report.

**Impacts:** None at this time.

**Corrective Action:** None at this time.

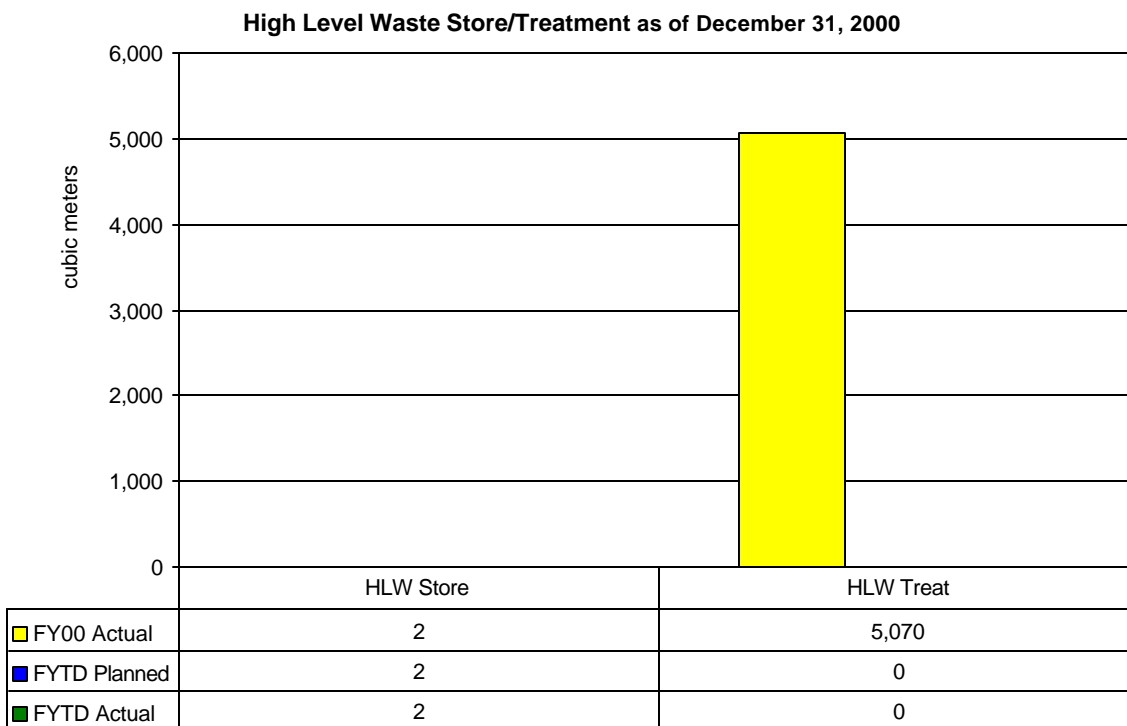
## BASELINE CHANGE REQUESTS CURRENTLY IN PROCESS (\$000)

PROJECT CHANGE NUMBER	DATE ORIGIN.	BCR TITLE	FY00 COST IMPACT \$000	S C H	T E C H	DATE TO CCB	CCB APR'VD	RL APR'VD	CURRENT STATUS
WM-2000-015	7/26/00	WMP FY 2001 MYWP Revision	\$0			8/31/00	9/25/00	12/27/00	In baseline
FH-2001-001	9/12/00	Base Ops Reduction for	(\$5,036)		X			12/28/00	In baseline
FH-2001-002	9/25/00	FY2001 Fee Reduction to 90%	(\$740)					12/28/00	In baseline
FH-2001-003	9/25/00	FY2001 Addition of High Priority Workscope	\$5,639		X			12/28/00	In baseline
WM-2000-001	10/12/00	FY01 Base Ops reductions	(\$863)			12/19/00	01/03/00	NA	In January baseline
WM-2000-002	11/6/00	FY00 Carryover	\$3,471	X	X	01/10/01	01/10/01	TBD	At RL
FSP-2001-017	12/7/00	FY00 WESF Carryover	\$780	X		12/19/00	1/10/01	NA	In January baseline
ADVANCE WORK AUTHORIZATIONS									

## KEY INTEGRATION ACTIVITIES

- Preparing T Plant to receive Spent Nuclear Fuel K Basin sludge
- Continue support of UP-1 Groundwater treatment
- Continue support to River Corridor Project for removal of waste from 324 and 327 buildings
- Continue to work with Pacific Northwest National Laboratory, EM 50, National Energy Technology Laboratory, and the Mixed Waste Focus Area to implement the size-reduction technology demonstration/deployment at T Plant
- Continue support to Nuclear Materials Stabilization for removal of waste from the PFP
- The Solid Waste Integrated Forecast is updated twice a year. Data is currently being collected from both on-site and off-site generators for the FY 2001.1 forecast update. The data is used to project waste shipments, waste receipt, and waste treatment and disposal needs

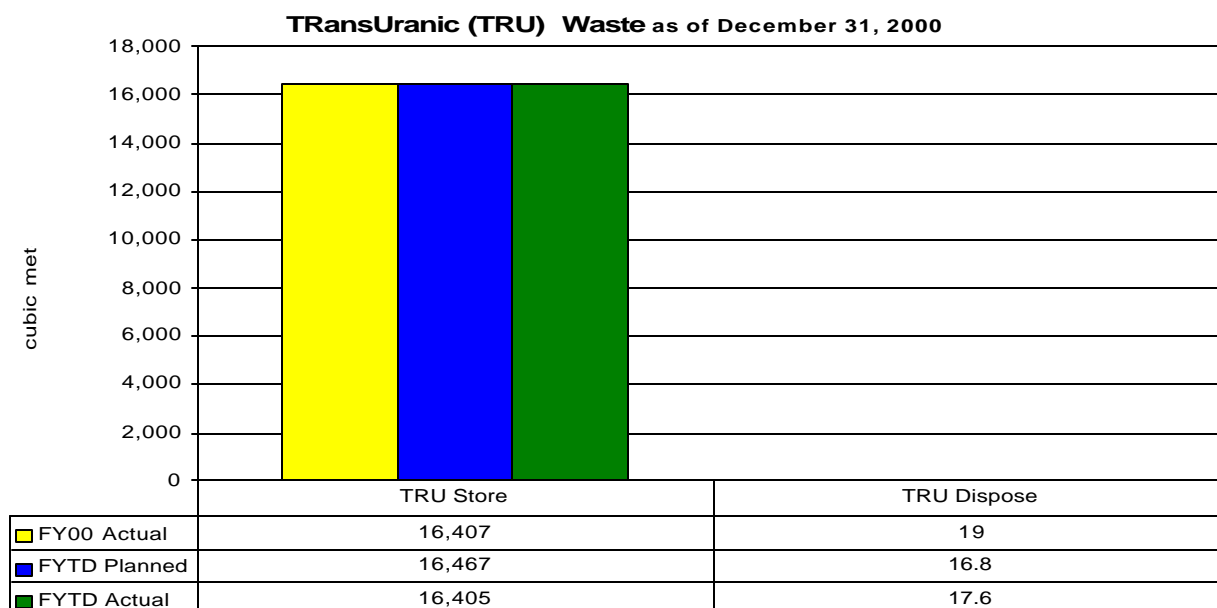
## HIGH LEVEL WASTE (HLW): STORAGE AND TREATMENT



**Storage:** Storage continues to be provided for HLW Cesium 137 and Strontium 90 capsules in the Waste Encapsulation and Storage Facility (WESF) Pool Cells.

**Treatment:** No HLW treatment was planned for the 1st quarter of FY 2001.

## TRANSURANIC (TRU) WASTE: STORAGE, TREATMENT AND DISPOSAL

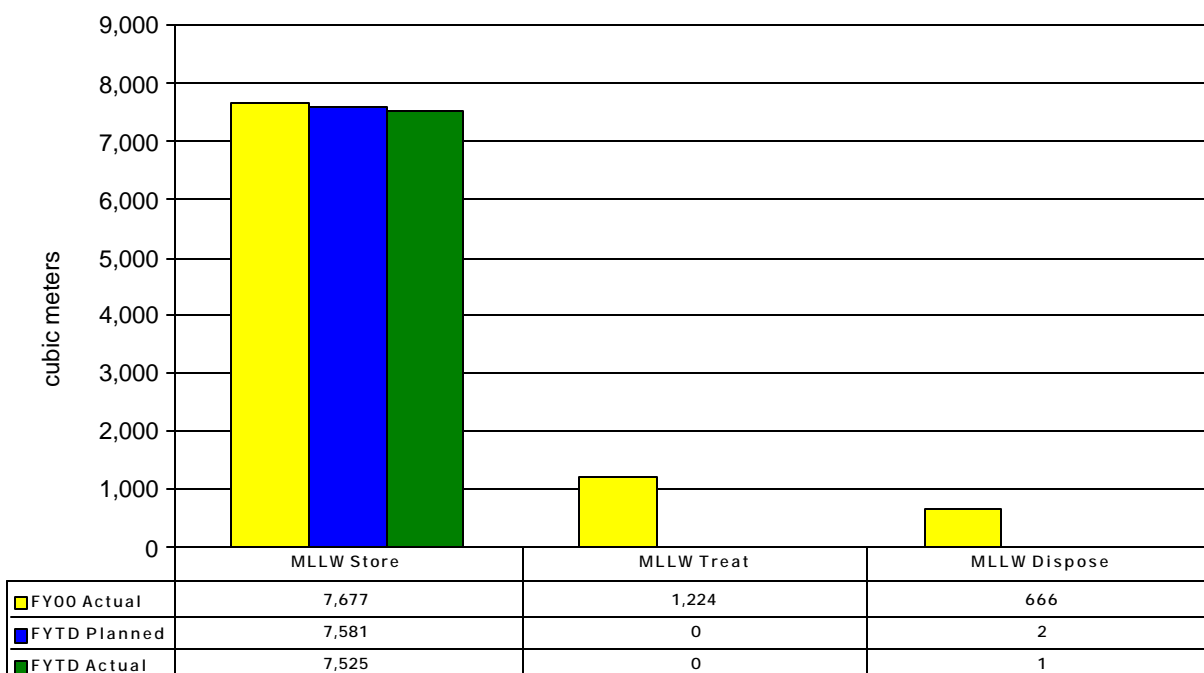


**Storage:** Storage continues to be provided for existing and newly generated TRU waste. Currently 16,405 cubic meters.

**Disposal:** Two shipments of TRU were shipped to Waste Isolation Pilot Plant (WIPP) this quarter for disposal. Additional shipments are planned beginning March 31, 2001.

## MIXED LOW LEVEL WASTE: STORAGE, TREATMENT, AND DISPOSAL

**Mixed Low Level Waste as of December 31, 2000**

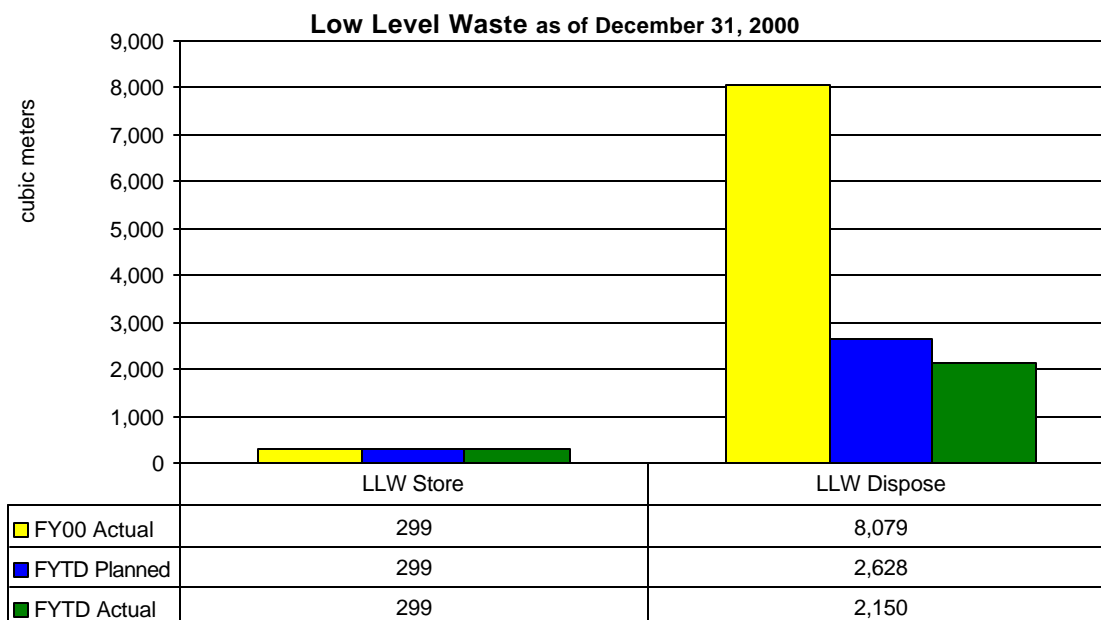


**Storage:** Storage continues to be provided for existing and newly generated MLLW. The current volume of MLLW in storage is within 10 percent of the planned amount.

**Treatment:** No MLLW was certified treated from Allied Technology Group (ATG) this quarter as planned.

**Disposal:** One cubic meter of MLLW was disposed in the mixed disposal trench. Another cubic meter was planned for disposal of AW-104 pump in a macro-encapsulated box, but the River Protection Project has delayed the shipment to the 2<sup>nd</sup> quarter.

## LOW LEVEL WASTE (LLW): STORAGE, TREATMENT, AND DISPOSAL



**Storage:** Storage continues to be provided for LLW that does not meet waste acceptance criteria for disposal in the burial grounds.

**Disposal:** The LLW received from onsite and offsite generators was disposed in the burial ground. Disposal amounts are lower than planned because shipments of Category 3 low level waste were not received as planned from Battelle Columbus and Bettis Atomic Power.